

Converting Binary to Decimal (A)

Write each binary number as a decimal number.

1. Binary = 1001

Decimal =

2. Binary = 100000

Decimal =

3. Binary = 1100101101

Decimal =

4. Binary = 100001000

Decimal =

5. Binary = 10101001

Decimal =

6. Binary = 1010000100

Decimal =

7. Binary = 1011010111

Decimal =

8. Binary = 1010101111

Decimal =

9. Binary = 1101111110100

Decimal =

10. Binary = 110110101111

Decimal =

Converting Binary to Decimal (A) Answers

Write each binary number as a decimal number.

1. Binary = 1001
Decimal = 9

2. Binary = 100000
Decimal = 32

3. Binary = 1100101101
Decimal = 813

4. Binary = 100001000
Decimal = 264

5. Binary = 10101001
Decimal = 169

6. Binary = 1010000100
Decimal = 644

7. Binary = 1011010111
Decimal = 727

8. Binary = 1010101111
Decimal = 687

9. Binary = 1101111110100
Decimal = 7156

10. Binary = 110110101111
Decimal = 3503

Converting Binary to Decimal (B)

Write each binary number as a decimal number.

1. Binary = 10
Decimal =

2. Binary = 10101
Decimal =

3. Binary = 1110110011
Decimal =

4. Binary = 11011011
Decimal =

5. Binary = 1000001001
Decimal =

6. Binary = 1000100100
Decimal =

7. Binary = 100101001
Decimal =

8. Binary = 1101011101
Decimal =

9. Binary = 110000110111
Decimal =

10. Binary = 1110011010111
Decimal =

Converting Binary to Decimal (B) Answers

Write each binary number as a decimal number.

1. Binary = 10
Decimal = 2

2. Binary = 10101
Decimal = 21

3. Binary = 1110110011
Decimal = 947

4. Binary = 11011011
Decimal = 219

5. Binary = 1000001001
Decimal = 521

6. Binary = 1000100100
Decimal = 548

7. Binary = 100101001
Decimal = 297

8. Binary = 1101011101
Decimal = 861

9. Binary = 110000110111
Decimal = 3127

10. Binary = 1110011010111
Decimal = 7383

Converting Binary to Decimal (C)

Write each binary number as a decimal number.

1. Binary = 1001
Decimal =

2. Binary = 11000
Decimal =

3. Binary = 1011110011
Decimal =

4. Binary = 110000100
Decimal =

5. Binary = 11111101
Decimal =

6. Binary = 11010100
Decimal =

7. Binary = 1010100010
Decimal =

8. Binary = 10000011
Decimal =

9. Binary = 1010101011001
Decimal =

10. Binary = 11111100011
Decimal =

Converting Binary to Decimal (C) Answers

Write each binary number as a decimal number.

1. Binary = 1001
Decimal = 9

2. Binary = 11000
Decimal = 24

3. Binary = 1011110011
Decimal = 755

4. Binary = 110000100
Decimal = 388

5. Binary = 11111101
Decimal = 253

6. Binary = 11010100
Decimal = 212

7. Binary = 1010100010
Decimal = 674

8. Binary = 10000011
Decimal = 131

9. Binary = 1010101011001
Decimal = 5465

10. Binary = 111111100011
Decimal = 4067

Converting Binary to Decimal (D)

Write each binary number as a decimal number.

1. Binary = 1
Decimal =

2. Binary = 1010111
Decimal =

3. Binary = 1010111100
Decimal =

4. Binary = 1010100010
Decimal =

5. Binary = 11111010
Decimal =

6. Binary = 101000111
Decimal =

7. Binary = 11100111
Decimal =

8. Binary = 11110010
Decimal =

9. Binary = 110101110001
Decimal =

10. Binary = 100000001100
Decimal =

Converting Binary to Decimal (D) Answers

Write each binary number as a decimal number.

1. Binary = 1
Decimal = 1

2. Binary = 1010111
Decimal = 87

3. Binary = 1010111100
Decimal = 700

4. Binary = 1010100010
Decimal = 674

5. Binary = 111111010
Decimal = 506

6. Binary = 101000111
Decimal = 327

7. Binary = 11100111
Decimal = 231

8. Binary = 11110010
Decimal = 242

9. Binary = 110101110001
Decimal = 3441

10. Binary = 100000001100
Decimal = 4108

Converting Binary to Decimal (E)

Write each binary number as a decimal number.

1. Binary = 1000

Decimal =

2. Binary = 11110

Decimal =

3. Binary = 111011111

Decimal =

4. Binary = 11100011

Decimal =

5. Binary = 1100111001

Decimal =

6. Binary = 101110001

Decimal =

7. Binary = 1100111000

Decimal =

8. Binary = 1001111111

Decimal =

9. Binary = 1111100111111

Decimal =

10. Binary = 10000111100111

Decimal =

Converting Binary to Decimal (E) Answers

Write each binary number as a decimal number.

1. Binary = 1000
Decimal = 8

2. Binary = 11110
Decimal = 30

3. Binary = 111011111
Decimal = 479

4. Binary = 11100011
Decimal = 227

5. Binary = 1100111001
Decimal = 825

6. Binary = 101110001
Decimal = 369

7. Binary = 1100111000
Decimal = 824

8. Binary = 1001111111
Decimal = 639

9. Binary = 1111100111111
Decimal = 7999

10. Binary = 10000111100111
Decimal = 8679

Converting Binary to Decimal (F)

Write each binary number as a decimal number.

1. Binary = 101
Decimal =

2. Binary = 1000010
Decimal =

3. Binary = 1100001011
Decimal =

4. Binary = 11100000
Decimal =

5. Binary = 1100110011
Decimal =

6. Binary = 1001011001
Decimal =

7. Binary = 1000000000
Decimal =

8. Binary = 1101011010
Decimal =

9. Binary = 1010001100100
Decimal =

10. Binary = 10001111101010
Decimal =

Converting Binary to Decimal (F) Answers

Write each binary number as a decimal number.

1. Binary = 101
Decimal = 5

2. Binary = 1000010
Decimal = 66

3. Binary = 1100001011
Decimal = 779

4. Binary = 11100000
Decimal = 224

5. Binary = 1100110011
Decimal = 819

6. Binary = 1001011001
Decimal = 601

7. Binary = 1000000000
Decimal = 512

8. Binary = 1101011010
Decimal = 858

9. Binary = 1010001100100
Decimal = 5220

10. Binary = 10001111101010
Decimal = 9194

Converting Binary to Decimal (G)

Write each binary number as a decimal number.

1. Binary = 1001
Decimal =

2. Binary = 111110
Decimal =

3. Binary = 1011101101
Decimal =

4. Binary = 111100011
Decimal =

5. Binary = 110010111
Decimal =

6. Binary = 101011110
Decimal =

7. Binary = 1001101010
Decimal =

8. Binary = 1101001111
Decimal =

9. Binary = 10011000101100
Decimal =

10. Binary = 101111001001
Decimal =

Converting Binary to Decimal (G) Answers

Write each binary number as a decimal number.

1. Binary = 1001
Decimal = 9

2. Binary = 111110
Decimal = 62

3. Binary = 1011101101
Decimal = 749

4. Binary = 111100011
Decimal = 483

5. Binary = 110010111
Decimal = 407

6. Binary = 101011110
Decimal = 350

7. Binary = 1001101010
Decimal = 618

8. Binary = 1101001111
Decimal = 847

9. Binary = 10011000101100
Decimal = 9772

10. Binary = 101111001001
Decimal = 3017

Converting Binary to Decimal (H)

Write each binary number as a decimal number.

1. Binary = 10
Decimal =

2. Binary = 1100010
Decimal =

3. Binary = 101011011
Decimal =

4. Binary = 1001011100
Decimal =

5. Binary = 1001011101
Decimal =

6. Binary = 1011010101
Decimal =

7. Binary = 1011011111
Decimal =

8. Binary = 110100110
Decimal =

9. Binary = 110011010101
Decimal =

10. Binary = 10001010010001
Decimal =

Converting Binary to Decimal (H) Answers

Write each binary number as a decimal number.

1. Binary = 10
Decimal = 2

2. Binary = 1100010
Decimal = 98

3. Binary = 101011011
Decimal = 347

4. Binary = 1001011100
Decimal = 604

5. Binary = 1001011101
Decimal = 605

6. Binary = 1011010101
Decimal = 725

7. Binary = 1011011111
Decimal = 735

8. Binary = 110100110
Decimal = 422

9. Binary = 110011010101
Decimal = 3285

10. Binary = 10001010010001
Decimal = 8849

Converting Binary to Decimal (I)

Write each binary number as a decimal number.

1. Binary = 11
Decimal =

2. Binary = 11100
Decimal =

3. Binary = 111110110
Decimal =

4. Binary = 1111111
Decimal =

5. Binary = 101100001
Decimal =

6. Binary = 1101010100
Decimal =

7. Binary = 110111010
Decimal =

8. Binary = 1010000110
Decimal =

9. Binary = 10011000110100
Decimal =

10. Binary = 10000010001111
Decimal =

Converting Binary to Decimal (I) Answers

Write each binary number as a decimal number.

1. Binary = 11
Decimal = 3

2. Binary = 11100
Decimal = 28

3. Binary = 111110110
Decimal = 502

4. Binary = 1111111
Decimal = 127

5. Binary = 101100001
Decimal = 353

6. Binary = 1101010100
Decimal = 852

7. Binary = 110111010
Decimal = 442

8. Binary = 1010000110
Decimal = 646

9. Binary = 10011000110100
Decimal = 9780

10. Binary = 10000010001111
Decimal = 8335

Converting Binary to Decimal (J)

Write each binary number as a decimal number.

1. Binary = 111
Decimal =

2. Binary = 111011
Decimal =

3. Binary = 10101001
Decimal =

4. Binary = 100111000
Decimal =

5. Binary = 1010110001
Decimal =

6. Binary = 1011011100
Decimal =

7. Binary = 111111111
Decimal =

8. Binary = 1010100100
Decimal =

9. Binary = 1000011001011
Decimal =

10. Binary = 10010101010001
Decimal =

Converting Binary to Decimal (J) Answers

Write each binary number as a decimal number.

1. Binary = 111
Decimal = 7

2. Binary = 111011
Decimal = 59

3. Binary = 10101001
Decimal = 169

4. Binary = 100111000
Decimal = 312

5. Binary = 1010110001
Decimal = 689

6. Binary = 1011011100
Decimal = 732

7. Binary = 111111111
Decimal = 511

8. Binary = 1010100100
Decimal = 676

9. Binary = 1000011001011
Decimal = 4299

10. Binary = 10010101010001
Decimal = 9553